

Project Design Phase-I - Solution Fit

Project Title: Smart waste management system for Metropolitan cities

Team ID: PNT2022TMID16091

Define CS, fit into CC	<div data-bbox="147 568 638 799">1.Customer Segment(S) The people who dispose various types of waste and people in metropolitan area</div> <div data-bbox="647 571 696 603">CS</div>	<div data-bbox="815 568 1209 767">6.Customer Constraints Traditional ways of segregating waste consume man power and man time. It requires more cost.</div> <div data-bbox="1364 571 1413 603">CC</div>	<div data-bbox="1480 568 1995 764">5.Available Solutions Proper segregation and disposal of waste. Reduce, reuse and recycle of waste.</div> <div data-bbox="2063 571 2112 603">AS</div>	Explore AS, differentiate
Focus on J&P, tap into BE, understand RC	<div data-bbox="114 983 551 1174">2. Jobs to be done/problems Increase in pollution Spread in diseases.</div> <div data-bbox="656 970 714 1002">J&P</div>	<div data-bbox="831 983 1305 1259">9. Problem root cause Rapid increase in population increases the amount of waste and if its not properly disposed it may spread various diseases.</div> <div data-bbox="1339 970 1388 1002">RC</div>	<div data-bbox="1480 967 2018 1364">7. Behaviour Automatic opening and closing of bin lid in smart bin. Automatic segregation of waste improves efficient disposal of waste. Continuous monitoring of waste helps in preventing overflow of bins, thereby keeping the place clean.</div> <div data-bbox="2033 970 2083 1002">BE</div>	Focus on J&P, tap into BE, understand RC

3. Triggers

Seeing people with many health problems and living in unhealthy and dirty environment compared to other countries, their roads and environment which are very clean and healthy.

4. EMOTIONS: BEFORE / AFTER

EM

Before the waste was not properly segregated and disposed. It causes bad odour, health problem and dirty environment. After waste management the environment become clean. Waste are properly segregated and disposed on time. It reduces spread of diseases

10. YOUR SOLUTION

SL

Our system is used to segregate waste property and intimate BEHAVIOUR dispose waste when the garbage is filled.

8. CHANNELS of BEHAVIOUR

CH

8.1 ONLINE

When the waste bins filled it will send notification to the concerned person to collect and dispose it thereby the surrounding will be clean

8.2 OFFLINE.

It's is easy to segregate the waste and the waste can be reused wisely. The unusable waste can be disposed properly

	<div data-bbox="152 55 766 84"><div>4. EMOTIONS: BEFORE / AFTER</div><div>EM</div></div> <div data-bbox="152 89 804 204"><p>Before the waste was not properly segregated and disposed . It causes bad odour, health problem and dirty environment.</p><p>After waste management the environment become clean. Waste are properly segregated and disposed on time.</p><p>It reduces spread of diseases</p></div>			
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